

PATENT SPECIFICATION



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COMPLETE SPECIFICATION.

Improvements in or relating to Apparatus for Treatment of the Skin.

I, KARL HARTWIG, of 14, Lessingstrasse, Berlin - Wendenschloss, Germany, a citizen of the German Republic, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to apparatus for treatment of the skin and more particularly to apparatus of the type provided with rollers, which massages the skin on being passed over it and at the same time conducts liquids, steam or gases to the skin.

According to the invention apparatus of this type is also provided with suction apparatus. It has been proposed to provide apparatus by which the skin is subjected to the action of a partial vacuum and at the same time supplied with medicinal preparations; such apparatus however produces no simultaneous massage and kneading of the flesh.

By the provision of suction apparatus on massage roller devices which are provided with means of supplying the skin with gases or liquids, the liquids supplied to the skin will be drawn off and the grease and other matter on the skin will be thereby removed. By this means the pores are cleared and opened and prepared for the reception of the gases and, more particularly, of oxygen. By means of the new apparatus an increased absorption of the health giving gases is obtained. The effect will be further enhanced by forming the suction nozzles, in known manner as slits and thereby obtaining a higher suction over a smaller area. The apparatus is passed backwards and forwards over the skin so that all parts of the skin are subjected to the action of the individual nozzles and rollers. If the slit-like openings of the suction nozzles are formed as a row of closely arranged small holes a particularly efficacious and restorative effect on the skin is obtained.

One embodiment of the invention is shown in the accompanying drawings in which:—

Fig. 1 is a perspective view of the apparatus without its cover.

[Price 1/-]

Fig. 2 is a similar view with the cover in position,

Fig. 3 is an underside plan view of a section nozzle formed from a row of closely arranged, small holes.

The frame 1 is provided with a handle 2. Three rollers 3 are rotatably mounted in the frame. These rollers may be smooth surfaced or provided with longitudinal ridges; they may be hollow and provided with filling holes in their end surfaces, through which liquid may be introduced into the rollers, and with perforations in their cylindrical surfaces, through which the liquid is extruded onto the skin when the rollers are passed over it. Alternately with the rollers, there are secured in the frame 1 nozzles 4a and 4b provided with leads 5 and 6. Through the nozzles liquid or gas may be supplied to the skin under pressure or may be drawn off therefrom. In the embodiment illustrated the nozzles 4a, supplied by the leads 5, are used for the production of jets of gas and the nozzles 4b, connected to the lead 6, are used for suction. The suction may be produced by means of a fan or, for example, by a vacuum cleaning apparatus. In Fig. 3 is shown a suction nozzle, the slit-like opening 7 of which is formed from a row of closely arranged small holes 8. The suction nozzle opening 7 may also be covered by a wire gauze or the like, or it may be completely open. The cover 9 encloses the apparatus covering the upper part of the rollers and the pipe leads.

In use the pipe leads 5 are connected to a container in which the gas to be used is stored under pressure and the pipe lead 6 is connected to a suction apparatus. The rollers 3, are filled with any desired liquid or liquids. The apparatus is then passed over the portion of skin to be treated. The skin is made supple by the liquids applied to it and massaged by the rollers. The liquid is removed from the skin through the nozzles 4b, permitting the gas emitted through the nozzles 4a to enter the pores.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to

be performed, I declare that what I claim is:—

1. Apparatus for treatment of the skin having massage rollers and means of
5 supplying the skin with liquids, steam or gases and wherein means are provided for applying suction to the skin.

2. Apparatus according to claim 1. wherein the suction openings are formed
10 by a row of closely set small holes.

3. The improved apparatus for treatment of the skin substantially as described with reference to the accompanying drawings.

Dated this 16th day of August, 1929.

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For the Applicant.

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[This Drawing is a reproduction of the Original on a reduced scale.]

FIG. 1.

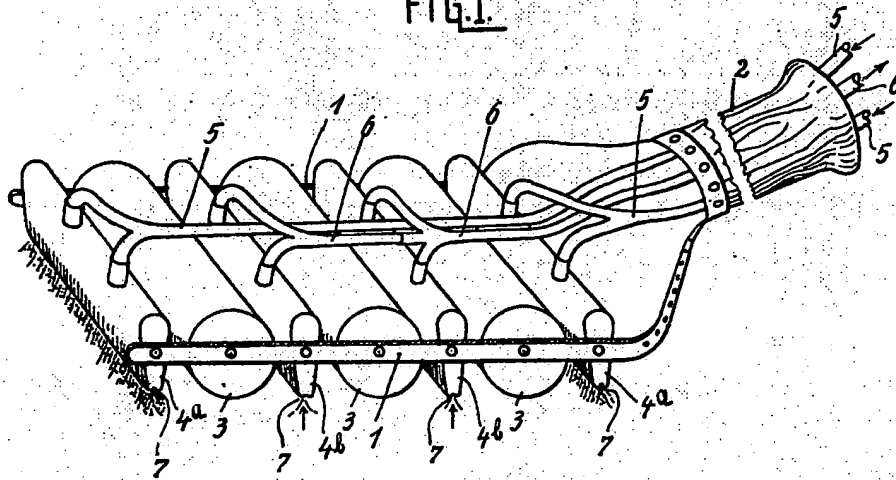


FIG. 2.

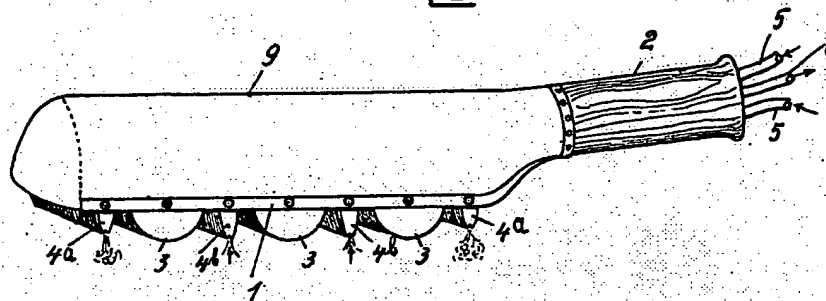


FIG. 3.



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